

Product datasheet for **SC118028**

ZNF74 (NM_003426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF74 (NM_003426) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF74
Synonyms:	COS52; hZNF7; ZFP520; ZNF520
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118028 sequence for NM_003426 edited (data generated by NextGen Sequencing)

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ATGGAGATCCCTGCCCCGAGCCCGAGAAGACAGCTCTTCTCTCAGGATCCTGCTCTT
TCCCTGAAAGAGAATCTCGAGGATATATCGGGTTGGGGTCTTCCCGAAGCCAGGTCCAAG
GAATCGGTGAGTTTCAAGGATGTGGCTGTGGACTTCACCCAGGAGGAGTGGGGTCAACTA
GACTCCCCTCAGAGGGCCTTGTACCGGGATGTGATGTTGGAGAACTACCAGAACCTTCTT
GCCCTAGGACCTCCACTGCACAAGCCAGATGTGATCTCTCATCTGGAACGAGGCGAGGAG
CCATGGAGCATGCAGAGGGAAGTCCCCAGAGGGCCCTGTCCAGAATGGGAGCTGAAGGCG
GTGCCCTCTCAACAGCAGGGCATTGCAAAGAAGAACCAGGCCAGGAGCCCATCATGGAG
CGGCCCCCTCGGCGGGGCGCAGGCGTGGGGGCGCCAGGCAGGTGCTCTGCAGAGGAGTCAG
GCTGCGCCCTGGGCGCCCGCACCTGCCATGGTCTGGGACGTCCTGTAGAGGAATCCCC
CTCAGGTGTCCCCTCTTCGCCCAGCAACGCGTTCCCGAGGGGGGACCCTTGCTGGACACA
CGCAAGAACGTCAGGCCACTGAGGGCAGAACCAAGGCCCGCGAGACTGTGTGACGGG
GAAAACGCCTCCACGCCAAGTGAGCCAGAAAAGTTCCCCAGGTGCGCCGCGAGCGCGGG
GCGGGCGCCGGGAGGGCGAGTTCGTGTGCGGCGAGTGCGGGAAGGCGTTCGCCAGAGC
TCTCCCTCACGCTGCACCGGCGCTGGCACAGCCGGGAGAAGGCTTACAAGTGCGATGAA
TGCGGCAAGGCCTTACCTGGAGCACCAACCTTCTGGAGCACCGGCGCATCCACACCGGC
GAGAAGCCCTTCTCTGCGGCGAGTGCGGGAAGGCCTTCAGTGCCACTCGTCCCTCAAC
GTGCACACGCGCATCCACAGGGCGAGCGGCCCTACAAGTGACAGCGCCTGCGAGAAGGCC
TTCAGTGTCAGCTCGCTGCTCAGCATGCACCTGCGGGTGACACCGGCGAGAAGCCCTAC
CGGTGCGGCGAGTGCGGCAAGGCCTTCAACCAGCGTACACACCTCACACGCCACCAACGC
ATCCACACGGGCGAGAAGCCCTACCAAGTGGGCTCCTGCGGCAAGGCCTTACCTGCCAC
TCATCCCTCACCGTGATGAGAAGATCCACAGCGGGGACAAGCCGTTCAAGTGACGCGAC
TGCAGAGAAGGCCTTCAACAGCCGCTCGCGCCTCACCTCCACCAGAGGACGCACACGGGC
GAGAAGCCCTTCAAGTGCGCCGACTGCGGGAAGGGCTTCAAGTGCCACGCGTACCTGCTC
GTGCACCGGCGCATCCACAGCGGCGAGAAGCCCTTCAAGTGCAACGAGTGCGGCAAGGCC
TTCAGTCCCACGCCTACCTCATCGTGACCGGCGCATCCACACAGGCGAGAAGCCCTTC
GACTGCAGCCAGTGTTGGAAGGCCTTCAAGTGCCACTCGTCCCTCATCGTGACCAAGCGC
ATCCACACCGGTGAGAAGCCCTACAAGTGACGCGAGTGCGGCGAGGCTTCAAGTGAGAAA
TGTGGGGAGATGTTCAACTGGAGCTCGCACCTCACTGAGCACCAGAGGCTGCACAGCGAG
GGGAAGCCCTTGCCATCCAGTTCAACAAACACCTGCTCAGCACATACTACGTGCCTGGC
AGCCTGTGTGGTGAGGGGATGTGTGACTGAGGGACGTGGATCCCATCGACGCGCTGGAT
GTGGCAAAGCTCTTGTGCGTGGTCCCCCAGAGCTGGCAGGAATTTCTCCCTGGGGAGC
AAACCTCGAACTAA

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Clone variation with respect to NM_003426.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003426 unedited
 CGCGTCCGATGGCTCCTGGCCGCGGAACCTTAGGCCTGGCCCTGGTCTCCGAGCGCGGGT
 TCGCCGGGAGGAGCGTGTGGCGGGGGTGTGCCGGGGCGTGAGTGCGCCGAGCATGGGGCT
 GAGCCTGGTGTGGGGAGTGGGTATCTGCGGAGCCGGCTGAACCCACCTCAGCCGGGC
 GCGGGGNAGGGGGCTCCGTGCGTGTGATCGTGCAGCTGTGAGCGCGTGGCCGCCCCGCGG
 GGCTCCGCTGCAGGCCCCCAGCCCCAGGAGCAGTACTCGCTCTTCAGGGCCTGCCCTGG
 ATCCTGGAGGCTACACAGCTGCCACTCCTCCTGGGAGGCTGCCGTGGAGGCCATGGAG
 ATCCCTGCCCGGAGCCCGAGAAGACAGCTCTTTCTCTCAGGATCCTGCTCTTTCCCTG
 AAAGAGAAATCTCAGGATATATCGGNTTGGGGTCTTCCGAAGCCAGGTCCAAGGAATC
 GGTGAGTTTCAAGGATGTGGCTGTGGAATTCACCCATGAGGAGTGGGGTCAACTAGACTC
 CCCTCAGAGGGCCTTGTACCGGGATGTGATGTTGGAGAACTACCAGAACCTTCTTGCCCT
 AGGACCTCCACTGCACAAGCCAAATGTGATCTCTCATCTGGGACGAGGCGAGGAGCCATG
 GAGCATGCAGAAGGAAGTCCCCAAAGGCCCTGTCCAAATGGGAGCTGAAAGGCGGGGCC
 TTTCAACAGCAGGGCCTTTCAAAAAAACCCGCCANGACCCATCATGGACGGGCCCTT
 CCGGGCCAGGCTTGGTGGCCCCAGGCAGGGCTTTAAAGATTAAGGTGCCCTTGGGCC
 CCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003426 unedited
 NCTTTGCGGGTTTAGCATTATTGGGGTTTTTTTTTTCAGAGTCCACATTTTCTGAAGTGT
 GGTTATTTTGCCTGCATAATTTAAAAAGCTACTGAAAGCATTTTATAAACGATAGCACTC
 CGTATAAAGTATGATACCAAGAGGGCAGCTTATTCTTGCTTAGGACTAAGTAGAAATAA
 CATTTCATTCAAGATTAAGTCTGTCTTCTGTCTCTGAAGAGTGTGGGACAGGGAGAGCC
 GCCTTTTCCAGGGTTTGCAAAACAGCTCCATGTGGGACCACCATGGAGCCGTCTCCCTG
 GGCTTCAGCTTCCCTCTCCAGTGGGTGCTGGGAGGGGCTTCTTCTGTGACCTGGGCTGG
 TGACTGGTGCTACATAGTGAGAAGCCCTGCAGGGCAGCCTCACCAGCCAGGGTGGCCCT
 GCCCAGCCCTGGTCAGTGAAGAGGAGCTTCCAGACACACCCATCCTGATGTTGTGCCAT
 CTTCCCTGAATGCACTGGGCACCTGCCTGGTAGCTCCCAATTTCTCACTAGGGGTAAAT
 GGCAAGAGGTGATGTTGGCATGTTAGGATCTGGCTCAATGATGCTGGGCCGTGCTGTGAC
 AGCTGTGGGAATGCCCTGACTGCACTGCACTAAACACACAGCTCTGCAGTAGAGCTAT
 TTACATGAGTTAAGTCCAGGAAATTCATTTTTTCAAATGCCACCACCAAGATTATTC
 TCCTCTCTACCAATATATAATGCTCACTGGAAGTATGCTAGCCATAACTCCTTGGTTA
 ATATTATTCTGAAAAAAGCTAATGGAGGAACTCCTGATTAAAGCCATGTAAGGAGC
 CCGCTCGAGGAATCCACAGGGGAAAACCTCCCTCTAATTTCCAACAGGGCCTTGCTTTGT
 CCCCCAACCTTGCATGCACGGCCTTGAAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_003426

Insert Size:

3750 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_003426.1, NP_003417.1</u>
RefSeq Size:	3759 bp
RefSeq ORF:	1719 bp
Locus ID:	7625
UniProt ID:	<u>Q16587</u>
Cytogenetics:	22q11.21
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May play a role in RNA metabolism.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (a). Both variants 1 and 3 encode isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.